

INFINITI SLI™ Series

Your satisfaction, Our priority.

INFINITI

The next generation of power.



— DUAL QUAD CPU + TRIPLE QUAD CORE GRAPHICS — + 18 / 12 DRIVES —



650W / 720W

FEATURES

DXX READY

For PCI-E 2.0 / DXX next generation graphic cards with 6+2P(8P) PCI Express connector

Nvidia® SLI™ certified.

(ENERMAX INFINITI 650 SLI™ EIN650AWT-00, INFINITI 720 SLI™ EIN720AWT-00)

Three separated 12V rails

The best rail design for this PSU class.

Modular

SATA or PATA without restrictions.

82-85% efficiency

Minimizing the electricity bill.

24/7 @ 40°C

Running with full power in industrial environments.

Tight & Stable

Essential to high-end systems.

CoolGuard

The new patent feature, running not only PSU fan after shutdown, but all system fans to get the heat out of the system and increasing system lifetime by up to 20%.

PowerGuard

The world's first desktop PSU series with 4-mode PSU status alarm with reset button.

The most security features of the industry

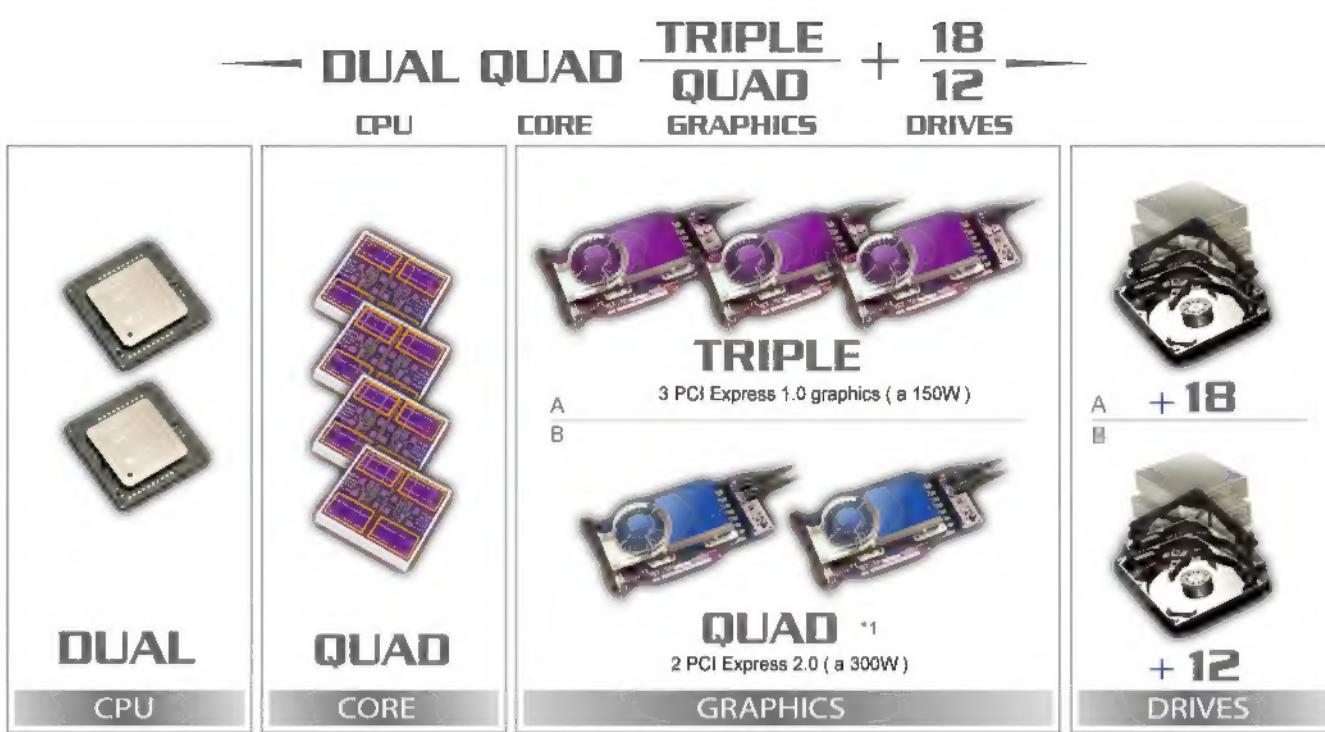
OCP, OLP, SCP, OVP, UVP & OTP protected PSU and system from damage.

Leading PCB components and design

The foundation of ENERMAX' philosophy and its products to make the utmost possible.

Silent & Cool

A special 13.5cm fan ensures cool performance and silent operation.



* Actual maximum support might vary by power consumption of connected components and is limited to DC output specifications.

*1 Using additional EMC008 modular cable instead of 6 drives.

82-85% EFFICIENCY SAVES YOUR MONEY

COMPARE	SYSTEM 24/7 @ 500W Load		KWh (kilowatts/hour) 1 kWh=0.1415\$(California)		MONEY WASTED
PSU	Efficiency	AC IN	per day	per year	per year
Infiniti	82%	610W	14.634	5341.46	0 US\$
PSU A	80%	625W	15	5475	18.89 US\$
PSU B	75%	667W	16.008	5842.92	70.96 US\$

Formula: (power out/ efficiency) x 24/1000= kWh/day x 365 = kWh/year

(Infiniti : (500/0.82) x 24/1000=14.634 kWh/day x 365 = 5341.46 kWh/year)

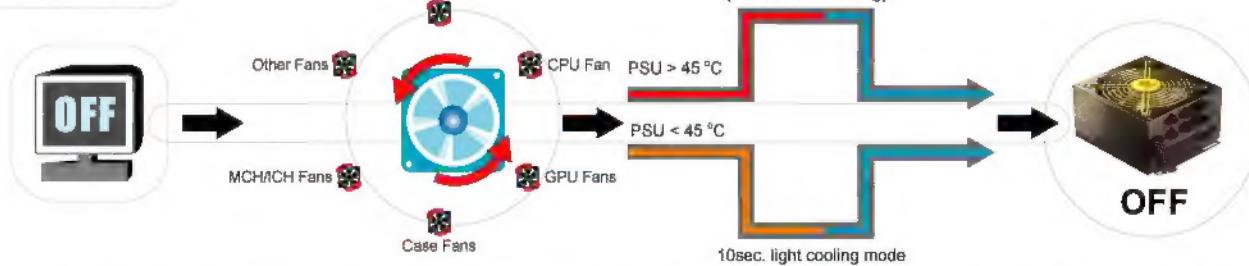
PowerGuard

Protects your entire system against damage by dynamic monitoring with 4 alarm modes and reset function.



LED	BUZZER	INFO
OFF	SILENT	NO AC INPUT
ORANGE	SILENT	STAND-BY MODE
GREEN	SILENT	PSU NORMAL
RED	TWO BEEPS INTERVAL	PSU PROTECTION ACTIVE
BLINKING RED	SHORT BEEPS	PSU FAN ABNORMAL

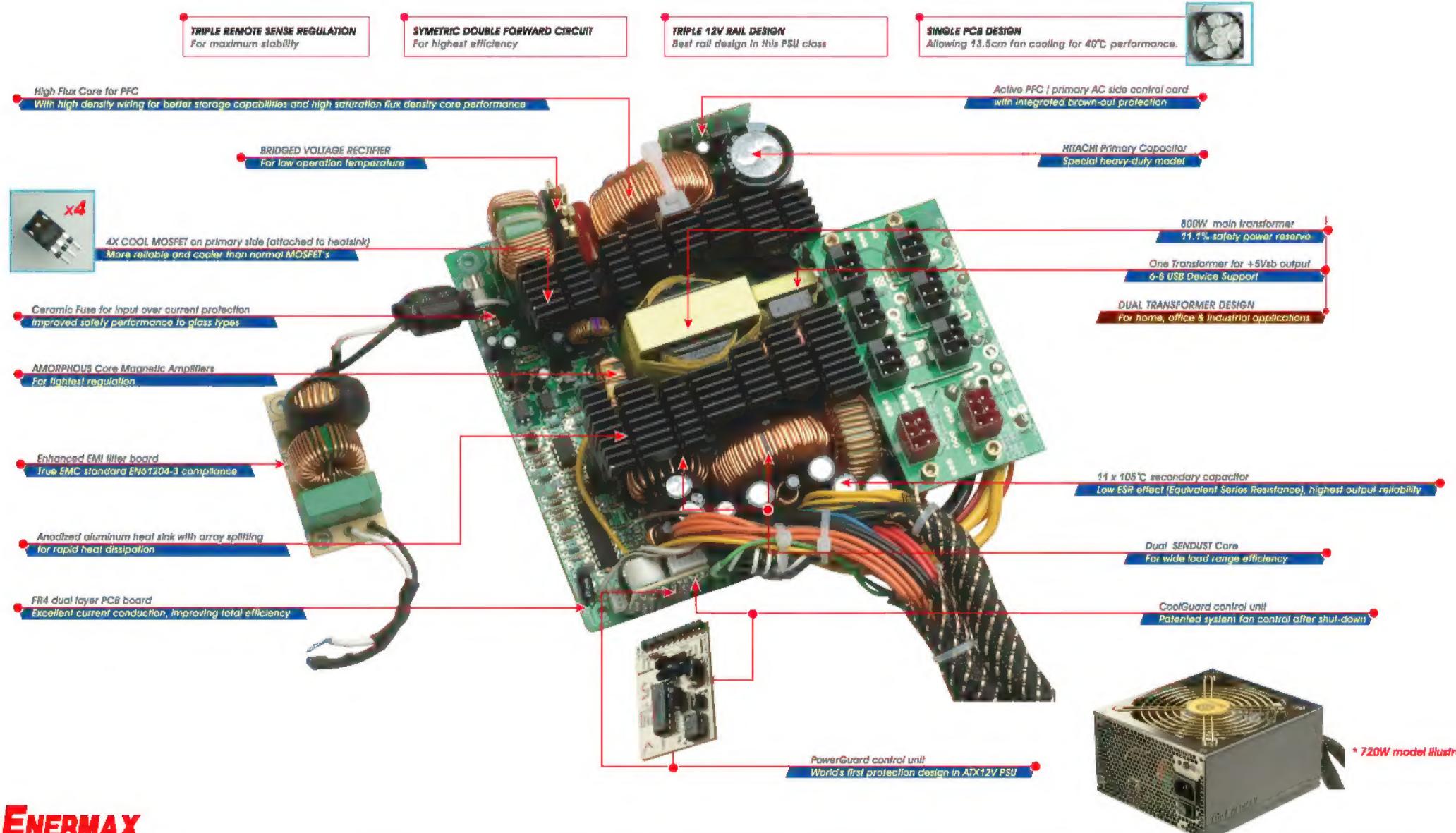
CoolGuard



This patented function enables all system fans after shutdown to run and get the heat out of your system to prolong its life by up to **20%**.



INFINITI 24/7@40°C





We are

PCI
EXPRESS®
6+2P(8P)

ready

are You?

PCI Express 2.0 was announced on January 15th by the PCI-SIG, an industry group of currently more than 850 companies like AMD, Broadcom, HP, IBM, Intel, LSI Logic, Microsoft and nVIDIA. It defines the standards for the next generation of motherboards and graphic cards, commonly dubbed as DirectX 10 capable. This new architecture effectively boosts their performance and utilization compared to their DirectX 9 / PCI Express 1.0 predecessor enormously and requires a new 8P power connector.



SPECIFICATIONS

Model Name	EIN650AWT-00			EIN720AWT-00
AC Input Rating				
Input Voltage	Universal 100-240VAC, 50Hz - 60Hz, Active PFC			
Input Current	4A-9.5A		4A-11A	
Frequency	50Hz - 60Hz			
DC Output Rating				
+3.3V	25A	160W	25A	160W
+5V	30A		30A	
+12V1	28A	624W (52A)	28A	672W (56A)
+12V2	28A		28A	
+12V3	30A		30A	
-12V	0.6A		0.6A	
+5Vsb	3A	22.2W	3A	22.2W
Total Power	650W		720W	

MULRIPLE PROTECTIONS



Infiniti will turn off to protect itself and your system from damage.

	12V1	12V2	12V3	3.3V	5V	-12V	+5Vsb
OCP	yes	yes	yes	yes	yes	no	no
OLP	on 110 - 150% of maximum output						
SCP	yes	yes	yes	yes	yes	no	yes
OVP	yes	yes	yes	yes	yes	yes	yes
UVP	yes	yes	yes	yes	yes	no	yes
OTP	yes						

(OCP = Over Current Protection, OLP = Over Load P., SCP = Short Circuit P., OVP = Over Voltage P., UVP = Under Voltage P., OTP = Over Temperature P.)

12V Rail Distribution

INFINITI is the leading desktop PSU series with three 12V rails, each able to provide up to 28 or 30A each continuously. This allows support of extreme gaming systems or smaller systems with a balanced load on each rail, providing maximum stability and safety. These super strong rails allow support even of the newest generation of graphic cards which consume up to 300W alone.

Rail	Powered
12V1	6P PEG 1
12V2	6P PEG 2
12V3	6+2P(8P) PEG
	MBU

CABLES & CONNECTORS



Native Cables



1

24P Mainboard



1

6+2P PCI-E



1

4+4P CPU 12V



1

FM (FAN RPM)

Modular Cables

Modular Cables Supplied

EMC001: 3 x SATA



2

3

45 / 60 / 75cm

EMC002: 3 x 4P Molex



3

3

45 / 60 / 75cm

EMC004: PCI Express



2

2

45 cm

EMC009: 6+2P (8P)PCI-E 2.0 / DXX add-on cable



1

1

b+2P PCI-E (To Graphics Card)

Connected to PSU

45 cm

4P to 2FDD Adaptor



1

1

12 cm

EMC007 : 2x2 + 12V (RAM Power)

Germany & UK only



1

1

45 cm

Certifications & Standards

Safety



EMC



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